

1GSL05M-L4C

Company Contact Phone number Email			Customer Contact Phone number Email			Date Item no. Project Project no.			1/7/2021	
Operating data										
1	Pumpe type	Single head pump			Fluid			Water, pure		
2	No. of pumps / Reserve	1 /			Operating temperature t A			°C 4		
3	Nominal flow	m ³ /h	0			pH-v value at t A			7	
4	Nominal head	m	0			Density at t A			kg/m ³ 1000	
5	Static head	m	0			Kin. viscosity at t A			mm ² /s 1.569	
6	Inlet pressure	kPa	0			Vapor pressure at t A			kPa 100	
7	Env ironmental temperature	°C	20			Solids			0	
8	Av ailable system NPSH	m	0			Altitude			m 0	
Pump data										
9	Pump designation	1GSL05M-L4C			Impeller Ø			Max.	mm 76	
10	Design	Borehole pumps						designed	mm 76	
11	Make	Lowara						Min.	mm 76	
12	Speed	rpm	2900			Flow			Nominal	m ³ /h ()
13	Number of stages	18			Max-				m ³ /h 1.4	
14	Suction nozzle	/ /			Min-				m ³ /h	
15	Discharge nozzle	/ /			Head			Nominal	m	
16	Max. casing pressure	kPa						at Qmax	m 46.3	
17	Max. working pressure	kPa	1168.7					at Qmin	m 119.1	
18	Impeller type				Shaft power			kW ()		
19	Impeller design				Max. shaft power			kW .6		
20	Head H(Q=0)	m	120			Efficiency			%	
21	Weight	kg	13			NPSH 3%			m	
Materials										
22	Pump									
23	Valve cap	Stainless steel / AISI 304			Motor adapter			Stainless steel / CF-8 ASTM A743		
24	Valve gasket	NBR			Discharge head			Stainless steel / CF-8 ASTM A743		
25	Valve flange	Stainless steel / AISI 304			Screws, nuts, washers			Stainless steel / AISI 316		
26	Valve locking ring	Stainless steel / AISI 302			BUSH			Technopoly mer PU		
27	Adapter ring	Technopoly mer PPO			Diffuser			Technopoly mer PPO		
28	Upper bush bracket	Technopoly mer PPO			Impeller			Technopoly mer PPO		
29	Thrust bearing	Stainless steel / AISI 304			Bowl			Stainless steel / AISI 304		
30	WASHER	Stainless steel / AISI 304			Intermediate bush			Stainless steel / CF-8 ASTM A743		
31	Intermediate bush	Technopoly mer PPO			Cable guard			Stainless steel / AISI 304		
32	bracket_pos9 Shaft Sleeve	Stainless steel / AISI 304			Shim			Stainless steel / AISI 304		
33	Sleeve	Stainless steel / AISI 304			Upper pump shaft			Stainless steel / AISI 304		
34	Upper sleeve	Stainless steel / AISI 304			Intermediate coupling			Stainless steel / AISI 316		
35	Pump shaft	Stainless steel / AISI 304			Spacer			Stainless steel / AISI 304		
37	Coupling	Stainless steel / AISI 304								
36	Strainer	Stainless steel / AISI 304								
38										
Motor data					Cable					
39	Manufacturer	Lowara	Electric voltage	220 V		Cable type				
40	Specific design	1 phase submersible canned motor (e-GS)			Cable cross section			mm ²		
41	Type	L4C05M235	Electric current	4.3 A		Environmental temperature			°C 20	
42	Rated power	0.55 kW	Degree of protection	IP68		Cable length			0	
43	Speed	2810 rpm	Insulation class	155 (F)						
44	Frame size	56								
45	Weight	0 kg								
Base plate					Remarks:					
46	Name									
47	Weight	kg								

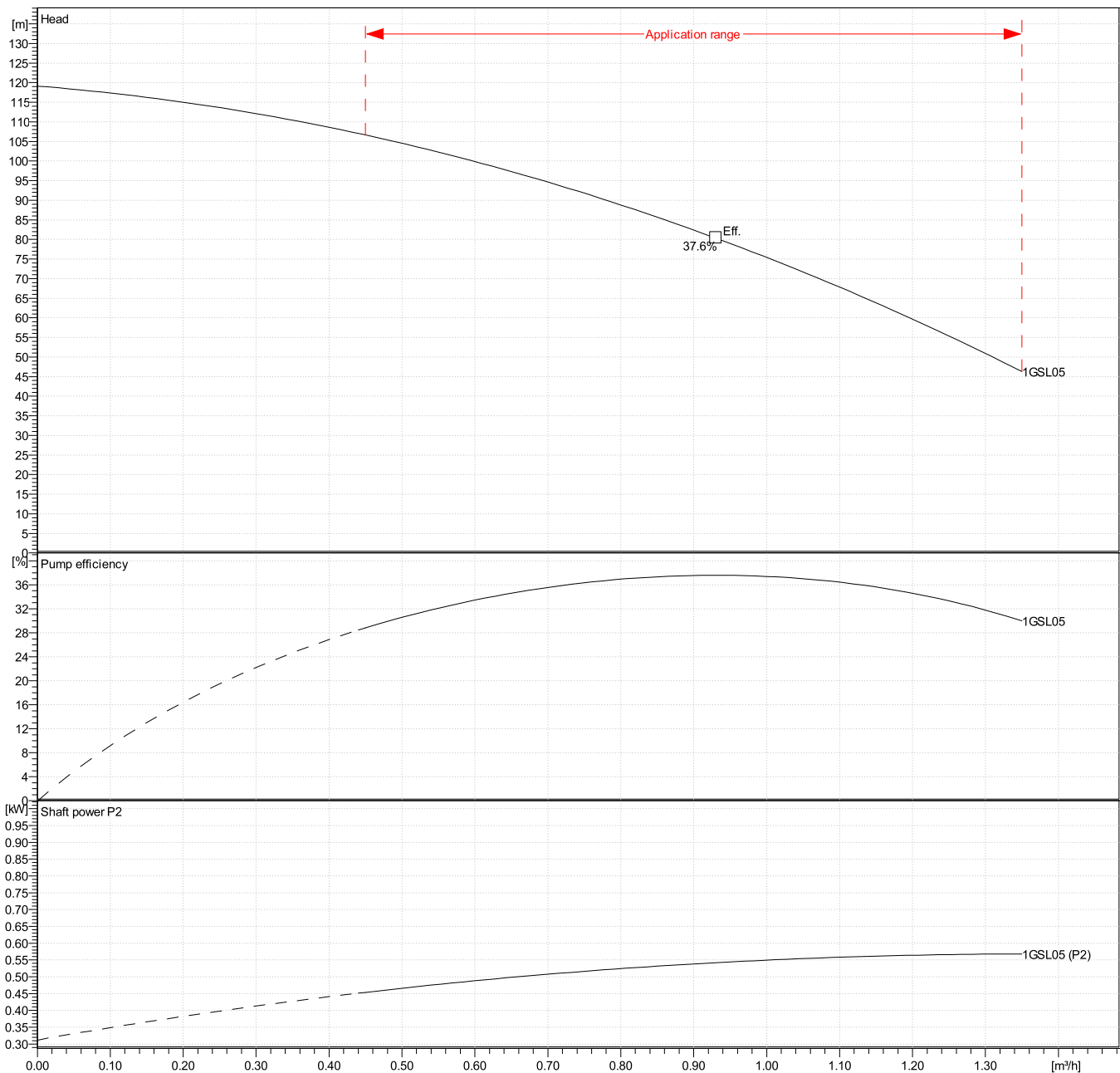
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Operating Data Specification Flow Head Static head	Hydraulic data (duty point) Flow Head MEI $\geq 0,4$	Impeller design Impeller R Frequency Speed	76 mm 50 Hz 2900 rpm

Power data referred to:

Water, pure [100%] ; 4°C; 1000kg/m³; 1.57mm²/s

Performance according to ISO 9906:2012 – Grade 3B



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Dimensions

mm

DNM L	Rp 1 ¼ 736					Suction side / PN	
						Discharge side / PN	
						Weight	12.7kg

